What is claimed is:

A data storage device comprising:

storage means, installed in a housing, for storing predetermined confidential data:

data generation means for generating data representing deflection of said 5 housing in which said storage means is installed; and

detection means for detecting physical impact applied to said housing in accordance with the data generated by said data generation means.

A data storage device comprising: 2.

storage means, installed in a housing, for storing predetermined confidential data:

data generation means for generating data representing deflection of said 5 housing in which said storage means is installed;

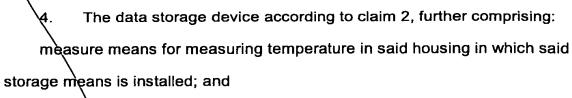
detection means for detecting physical impact applied to said housing by specifying the deflection of said housing in accordance with the data generated by said data generation means; and

data cancel means for canceling the confidential data stored in said storage 10 means when said detection means detects physical impact applied to said housing.

The data storage device according to claim 1, further comprising: 3. measure means for measuring temperature in said housing in which said storage means is installed; and

correction means for correcting the data generated by said data generation 5 means in accordance with the temperature measured by said measure means,

wherein said detection means detects the physical impact applied to said housing in accordance with the data representing the deflection after the correction by said correction means.



correction means for correcting the data generated by said data generation 5 means in accordance with the temperature measured by said measure means, wherein said detection means detects the physical impact applied to said housing in accordance with the data representing the deflection after the correction by said correction means.

A data storagè device comprising: 5.

a memory, installed in\a tight housing having predetermined shape, for storing predetermined confidential data;

a plurality of electrodes, artanged in said housing in which said memory is 5 installed, for generating predetermined capacitance; and

a detection processor for detecting physical impact applied to said housing in accordance with shift degrees of the capacitance at said electrodes.

A data storage device comprising: 6.

a memory, installed in a tight housing having predetermined shape, which stores predetermined confidential data;

a plurality of electrodes, arranged in said housing in which said memory is 5 installed, which generates predetermined capacitance;

a detection processor which specifies deflection of said housing in accordance with shift degrees of the capacitance at said electrodes to detect physical impact applied to said housing; and

a data canceler which cancels the confidential data stored in said memory 10 when said detection processor detects the physical impact applied to said housing.

The data storage device according to claim 5, further comprising: 7.



a thermo-sensor which measures temperature in said housing in which said memòry in installed; and

a correction processor which corrects the shift degrees of the capacitance at 5 said electrodes in accordance with the temperature measured by said thermosensor.

wherein sàid detection processor detects the physical impact applied to said housing in accordance with the deflection of said housing after the correction by said correction processor.

The data storage device according to claim 6, further comprising: 8. a thermo-sensor which measures temperature in said housing in which said memory is installed; and

a correction processor which corrects the shift degrees of the capacitance at 5 said electrodes in accordance with the temperature measured by said thermosensor,

wherein said detection processor detects the physical impact applied to said housing in accordance with the deflection of said housing after the correction by said correction processor.

9. A detection method comprising:

generating data representing deflection of a housing in which a storage device for storing predetermined confidential data\is installed; and

detecting physical impact applied to said housing in accordance with the data 5 generated by said generating data.

10. A detection method comprising:

generating data representing deflection of a housing in which a storage device for storing predetermined confidential data is installed;

measuring temperature in said housing in which said storage device is 5 installed:





correcting data generated by said generating data in accordance with the temperature measured by said measuring temperature; and

detecting physical impact applied to said housing by specifying the deflection of said housing in accordance with the data representing the deflection of said 10 housing after correction by said correcting data.

11. A detection method comprising:

measuring capacitance at a plurality of electrodes arranged in a tight housing in which a memory for storing predetermined confidential data is installed; and detecting physical impact applied to said housing in accordance with shift 5 degrees of the capacitance measured by said measuring capacitance.

12. A detection method comprising:

measuring capacitance at a plurality of electrodes arranged in a housing in which a memory for storing predetermined confidential data is installed;

measuring temperature in said housing in which said memory is installed;

correcting the capacitance measured by said measuring capacitance in accordance with the temperature measured by said measuring temperature; and

detecting physical impact applied to said housing by specifying deflection of said housing in accordance with shift degrees of the capacitance after the correction by said correcting the capacitance.